

Field Programmable Gate Array, 612 CLBs, 250000Gates, 572MHz, 5508-Cell, CMOS, PQFP144, 22 X 22MM, 1.6MM HEIGHT, 0.5MM PITCH, TQFP-144

Manufacturers	AMD Xilinx, Inc
Package/Case	TQFP144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC3S250E-4TQ144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC3S250E-4TQ144C is a type of FPGA (Field-Programmable Gate Array) manufactured by Xilinx. It belongs to the Spartan-3E family and has 250,000 system gates, which can be configured by the user to perform different logic functions. The "-4" in the part number indicates that it operates at a speed grade of 4, meaning it can operate at a maximum frequency of 400 MHz.

Features

- 250,000 system gates
- 1.2V core voltage
- 3.3V and 2.5V I/O voltage options
- Up to 584 user I/O pins
- Eight Digital Clock Managers (DCMs)
- Four Phase-Locked Loops (PLLs)
- Built-in SelectIO technology for high-performance differential signaling

Application

- Digital signal processing
- Wireless communication
- Image and video processing
- Industrial control
- Data storage and retrieval



Related Products



[XC18V01S020C](#)

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SOP-20



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